NAD

C 422

STEREO
AM/FM TUNER

SERVICE MANUAL

C 422
STEREO
AM/FM TUNER

SERVICE SAFETY PRECAUTIONS

1. Safety check out

(Only U.S.A. model)

Before returning the product to the customer, make leakage current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit.

Parts marked with the symbol ⚠ are critical with regard to the risk of fire and electric shock. Replace only with parts recommended by the manufacturer.

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SPECIFICATIONS

AM TUNER SECTION

Input level is expressed as the reading in open-circuit of 75-ohm source impedance signal generator

Usable Sensitivity (999/1000kHz)		**≤30dBμ**
S/N Ratio (5mV in)		**≥38dB**
THD (5mV in)		**≤3%**
IF Rejection (450kHz)		**≥36dB**
Image Rejection (F+2xIF)		**≥28dB**
Selectivity		**≥17dB**
Output		**130 +/-20mV**
Loop Sensitivity (20dB S/N)		
	999/1000 kHz	**≤66 dB**
	603/600 kHz	**≤66 dB**
	1404/1400 kHz	**≤66 dB**
Frequency response (100 - 2.3 kHz, 5mV)		**±6 dB**

FM TUNER SECTION

Input level is expressed as the reading in open-circuit of 75-ohm source impedance signal generator

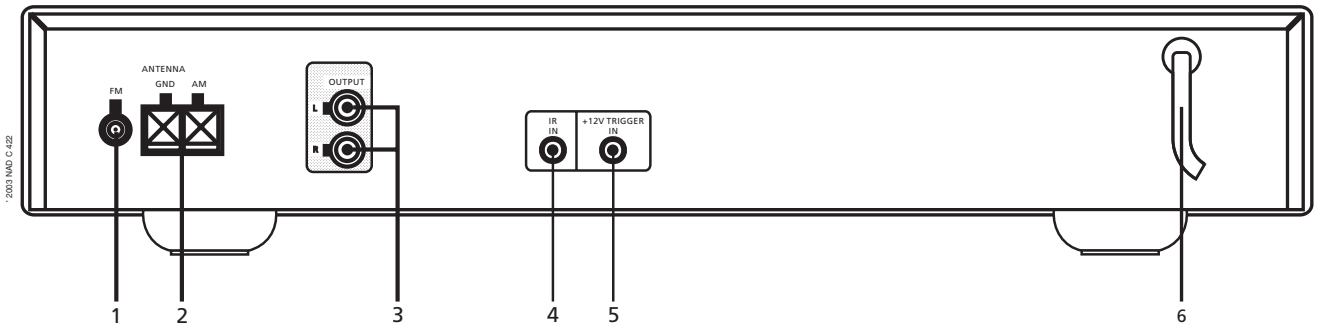
		***C**	***AH**
Usable Sensitivity (98 MHz)		**≤13 dBμ**	**≤13 dBμ**
Signal / Noise Ratio	Mono	**≥72 dB**	**≥72 dB**
(60 dBμ, IHF wtd)	Stereo	**≥66 dB**	**≥66 dB**
Frequency Response (20 Hz - 15 kHz, 60 dBμ)		**0±1.0 dB**	**0±1.0 dB**
Channel Separation (60 dBμ)	30 Hz	**≥33 dB**	**≥33 dB**
	1 kHz	**≥42 dB**	**≥42 dB**
	10 kHz	**≥32 dB**	**≥32 dB**
Alternate Channel Sensitivity (40 dBμ, ±400 kHz)		**≥60 dB**	**≥45 dB**
Capture Ratio (40 dBμ)		**≤3 dB**	**≤3 dB**
AM Suppression (60 dBμ, 100% Mod.FM, 30% Mod AM)		**≥65 dB**	**≥65 dB**
Image Rejection (119.4 MHz)		**≥85 dB**	**≥85 dB**
I.F. Rejection (10.7 MHz)		**≥78 dB**	**≥78 dB**
Pilot Suppression (60 dBμ)		**≥60 dB**	**≥60 dB**
THD (60 dBμ, L=R 75 kHz for AH, 40 kHz Dev for C)			
	Mono	**≤0.25%**	≤0.**25%**
	Stereo	**≤0.35%**	**≤0.35%**
Auto-Search sensitivity	On	**≥24 dBμ**	**≥24 dBμ**
	Off	**≤15 dBμ**	**≤15 dBμ**
RDS Decode Sensitivity		**≤26 dBμ**	**≤26 dBμ**

PHYSICAL SPECIFICATIONS

Dimensions (Width x Height x Depth)	**435 x 80 x 285 mm**
Net weight	**4 kg (8.8 lbs)**
Shipping weight	**5.1 kg (11.22 lbs)**

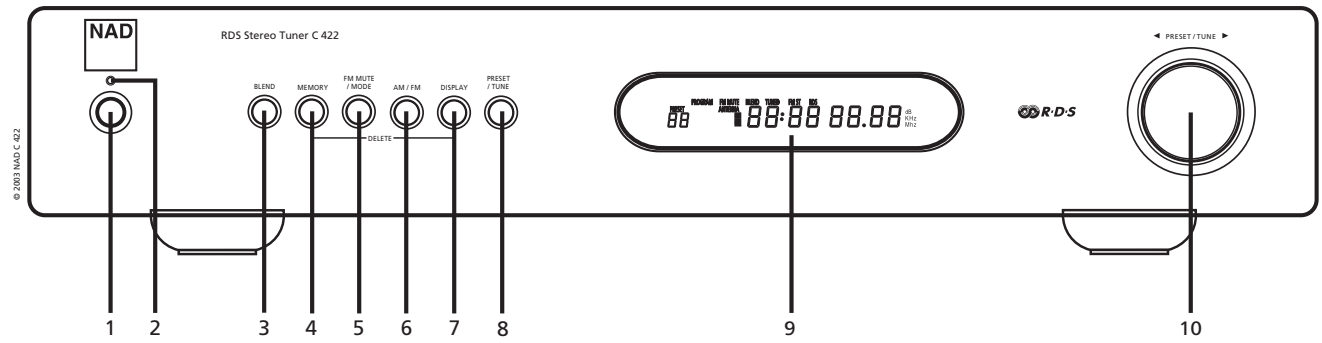
REAR PANEL / FRONT PANEL

REAR PANEL



1. FM ANTENNA
2. AM ANTENNA
3. OUTPUT
4. IR IN
5. 12V TRIGGER IN
6. AC LINE CORD

FRONT PANEL



1. POWER ON / OFF
2. POWER STATUS INDICATOR
3. BLEND
4. MEMORY
5. FM MUTE / MODE
6. AM / FM
7. DISPLAY
8. PRESET / TUNE
9. DISPLAY AREA
10. PRESET / TUNE CONTROL

IMPORTANT NOTES

1. Show the software version

Press “PRESET/TUNE” and “TUNE UP” (►).

2. Light UP all the icon on the VFL

Press “PRESET/TUNE” and “TUNE DOWN” (◄).

3. CPU Resets

Press “PRESET/TUNE” and “TUNE DOWN” (◄) and any one key.

4. AM Step 10K/9K Change

Add D206: 10KHz / Delete D206: 9KHz.

DISASSEMBLY INSTRUCTIONS

1. Remove machine screws M 4.0 x 6.0 (① to ④) from the side panels.
   Remove tapping screw 3.0 x 8.5 ⑤ from the back panel.
   Refer to **Figure No.1**.

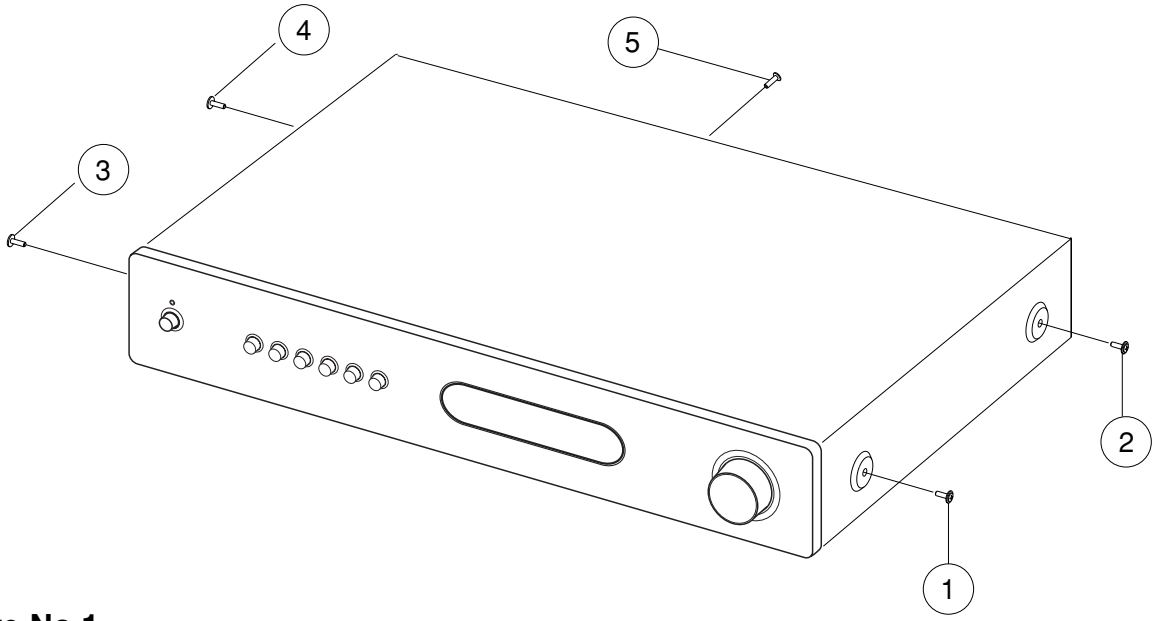


Figure **No.1**

2. Pull both sides of the TOP COVER slightly outwards ⑥ and tilt approx. 35˚ and then remove in the direction as indicated by the arrow ⑦. Refer to **Figure No.2**.

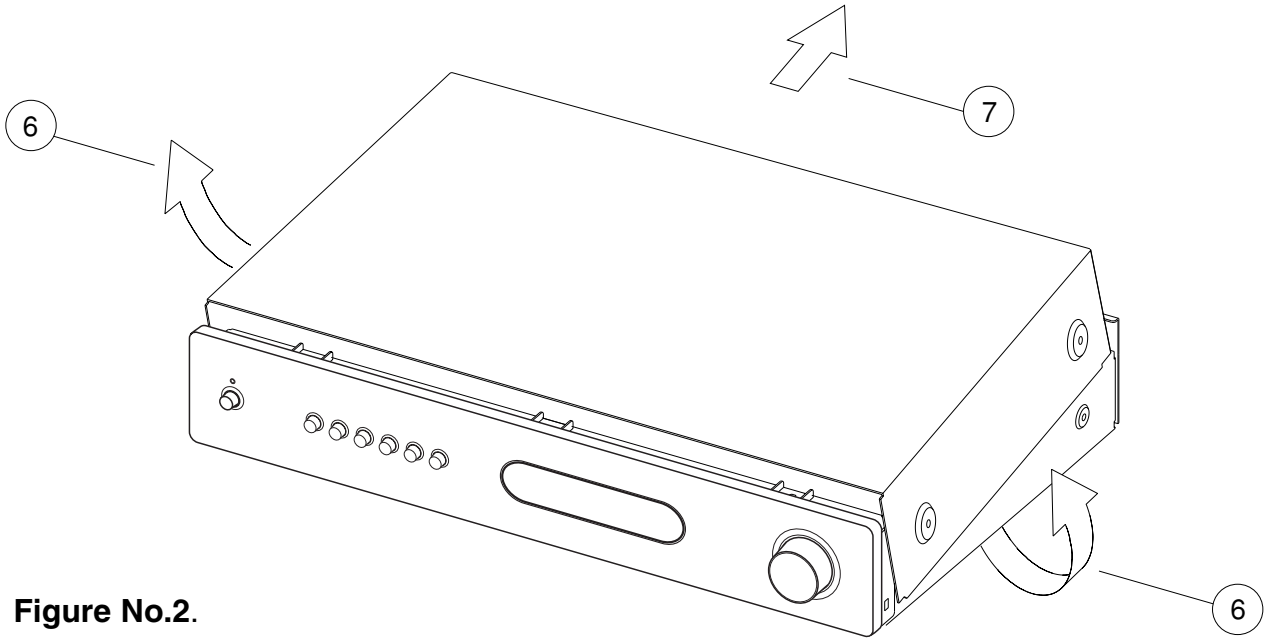
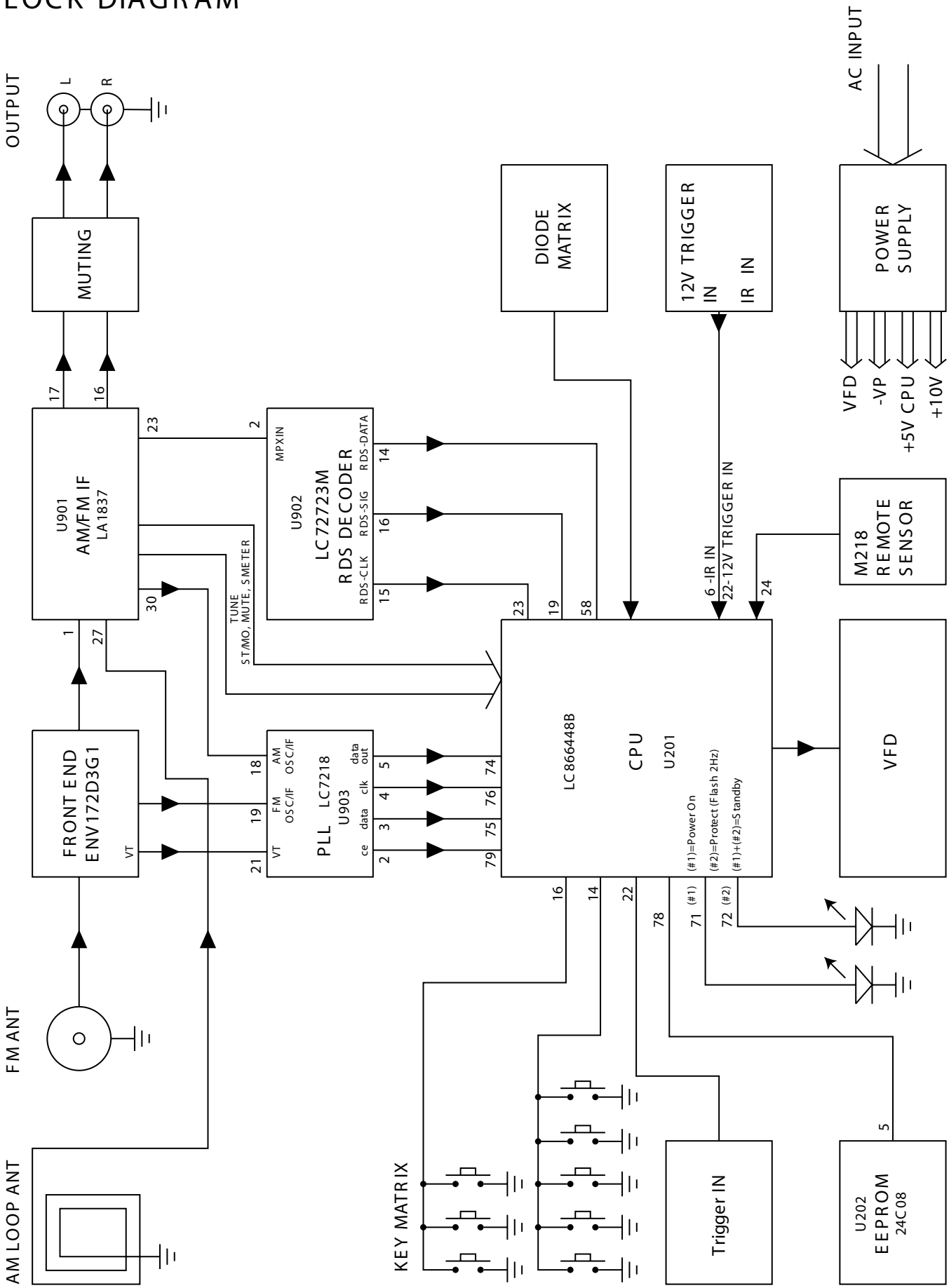


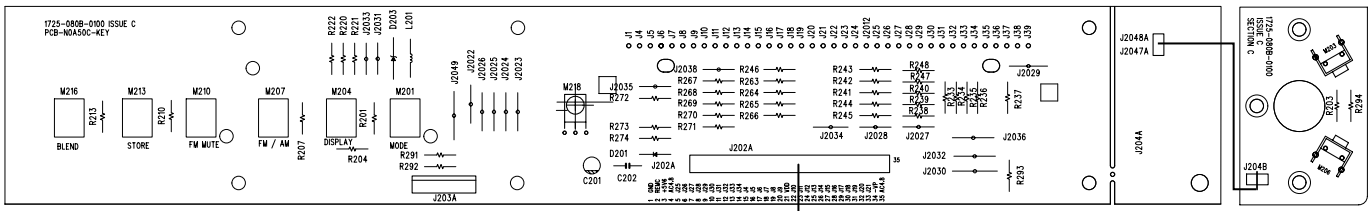
Figure No.2.

BLOCK DIAGRAM

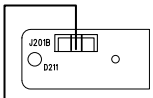


WIRING DIAGRAM

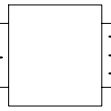
KEY BOARD



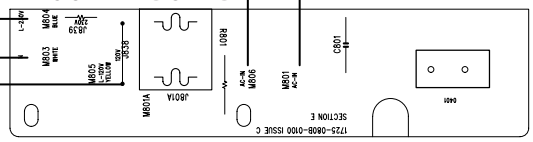
LED BOARD



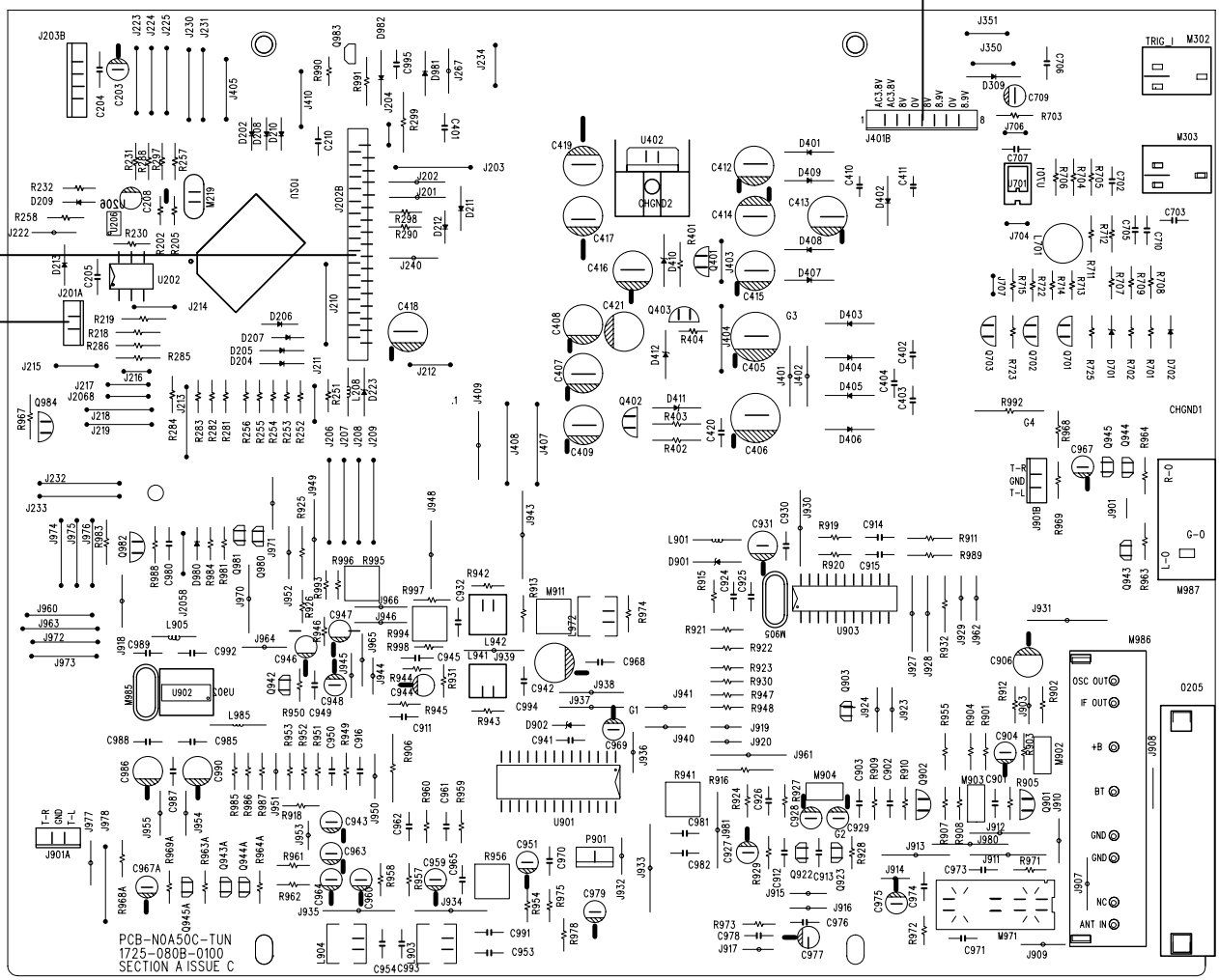
TRANSFORMER



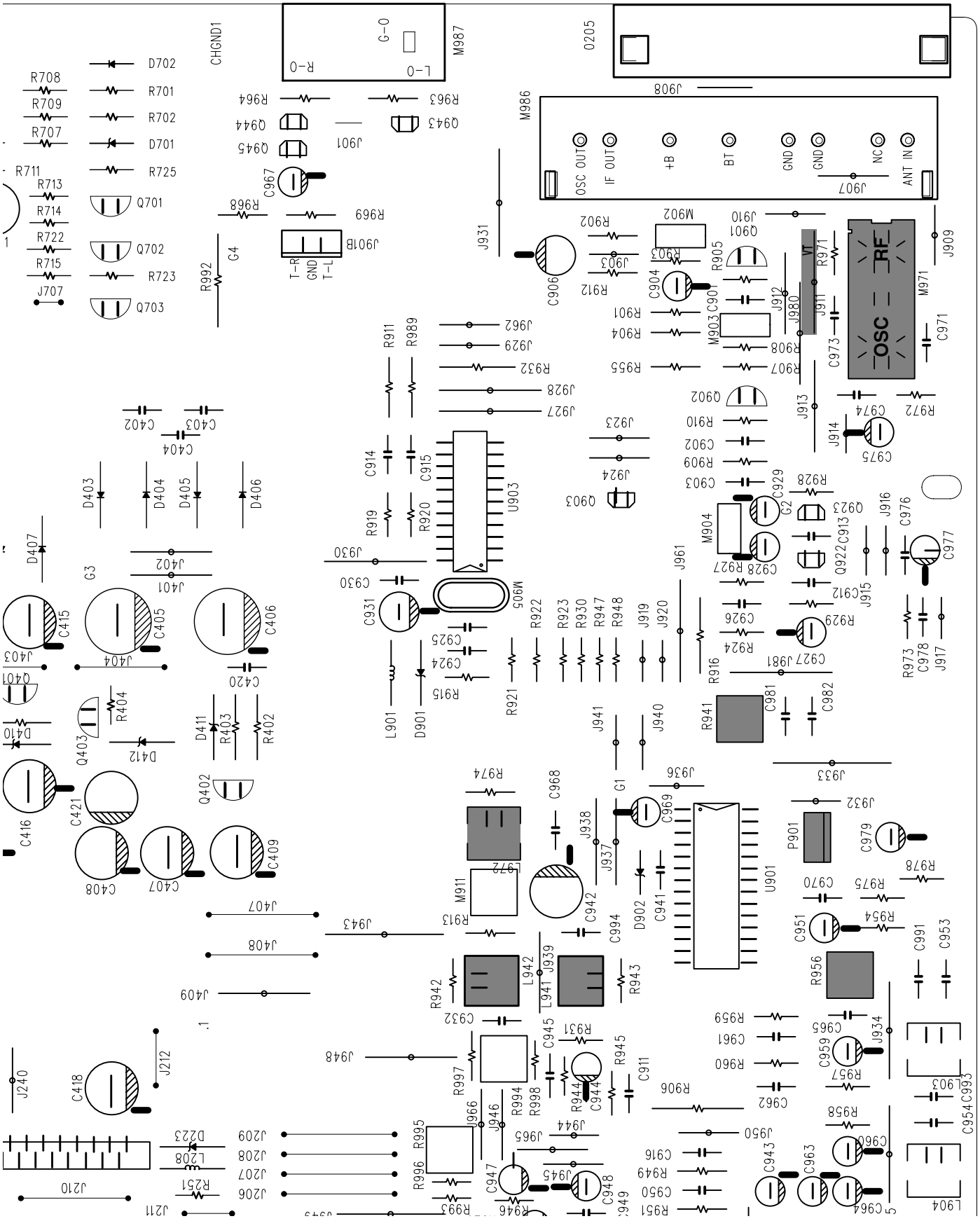
POWER SUPPLY BOARD



MAIN BOARD



ADJUSTMENT POINTS DIAGRAM



INSTRUMENT SETUP

1. FM MEASUREMENT

Fig. 1

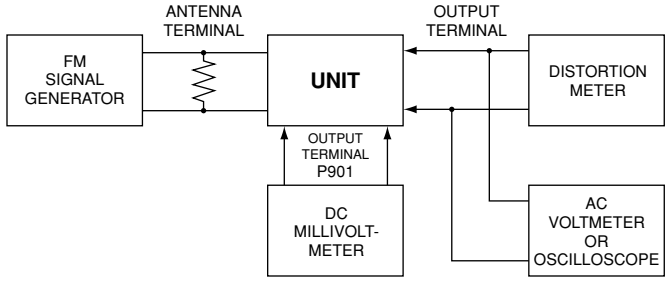
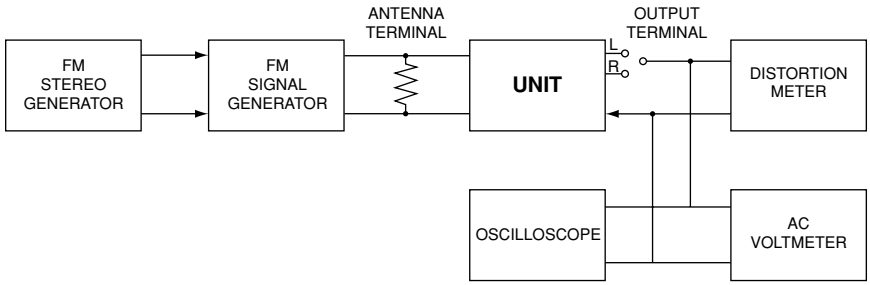
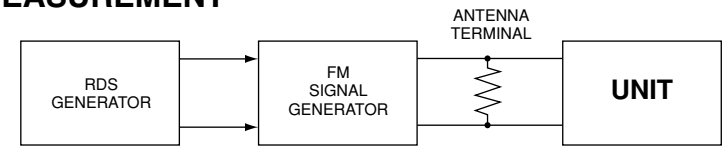


Fig. 2



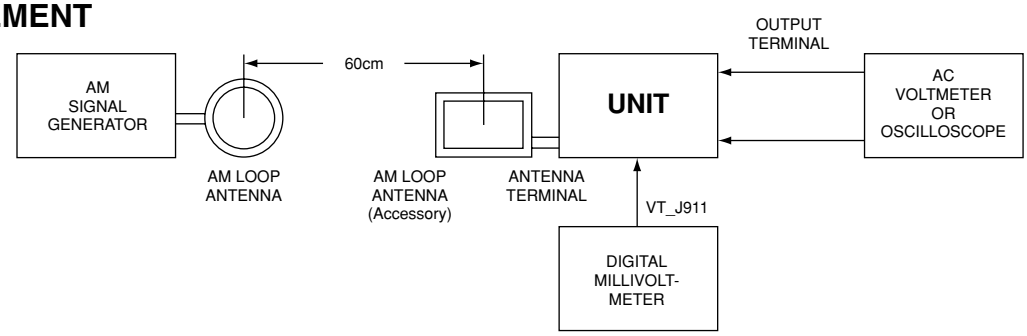
2. RDS MEASUREMENT

Fig. 3



3. AM MEASUREMENT

Fig. 4



ALIGNMENT PROCEDURES

FM/RDS SECTION

- FM mono: 1kHz, 75kHz devi., 60dB/µV
- FM stereo: 1kHz, 67.5kHz devi., 60dB/µV
  Pilot signal 19kHz 7.5kHz devi.

OUTPUTS

- Connect the 47Kohm resistor unless otherwise noted.

Item	Step	Connection of instrument	FM SG output	Stereo modulator output	Tuning frequency	Output indicator	Adjustment point	Adjust for	Remarks
FM IF/RF	1	Fig.1	99.0MHz 1kHz 75kHz devi. 65dBf (60dB)	–	99.0MHz	DC voltmeter	L941	0±70mV	FM MUTE/MODE switch: ON/AUTO Repeat the steps 1 to 3 until no further adjustment is necessary.
	2					AC voltmeter	IFT on the front end	Maximum	
	3					Distortion analyzer	L942	Minimum	
Stereo Distortion		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Distortion analyzer	IFT on the front end	Minimum	FM MUTE/MODE switch: ON/AUTO Don't turn more than ±180°
Stereo Separation		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Oscilloscope	R941	Maximum separation	Repeat stereo distortion and stereo separation alignment until THD at minimum and separation at maximum.
						Distortion Meter		Minimum	
Mute Level		Fig.1	99.0MHz 18dB	–	99.0MHz	Oscilloscope	R956	Signal output	
RDS		Fig.3	99.0MHz Ext. mod. 65dBf (60dB) RDS 2% MOD	–	99.0MHz	–	–	–	Decode the RDS-Program station

AM SECTION

AF Modulation: 400Hz, 30%

For AH Version

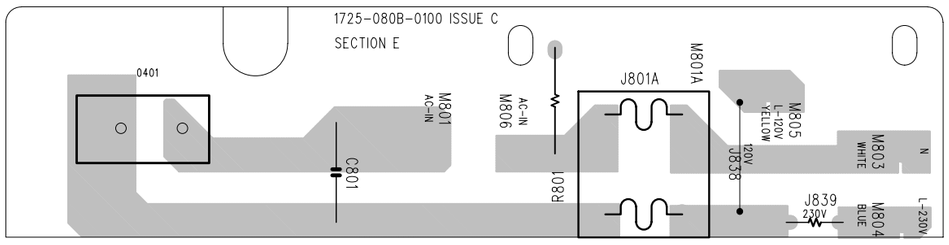
Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	–	530kHz	Digital DC voltmeter	OSC coil on RF block M971	1.35±0.2V
2	600kHz 400Hz 30% mod. 60dB/m	600kHz	AC voltmeter	RF coil on RF block M971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	990kHz	AC voltmeter	L972	Maximum

For C Version

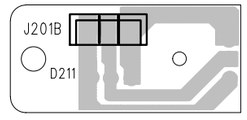
Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	–	522kHz or 531kHz	Digital DC voltmeter	OSC coil on RF block M971	1.3±0.2V (522kHz) 1.35±0.2V (531kHz)
2	600kHz 400Hz 30% mod. 60dB/m	603kHz	AC voltmeter	RF coil on RF block M971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	999kHz	AC voltmeter	L972	Maximum

PCB LAYOUT

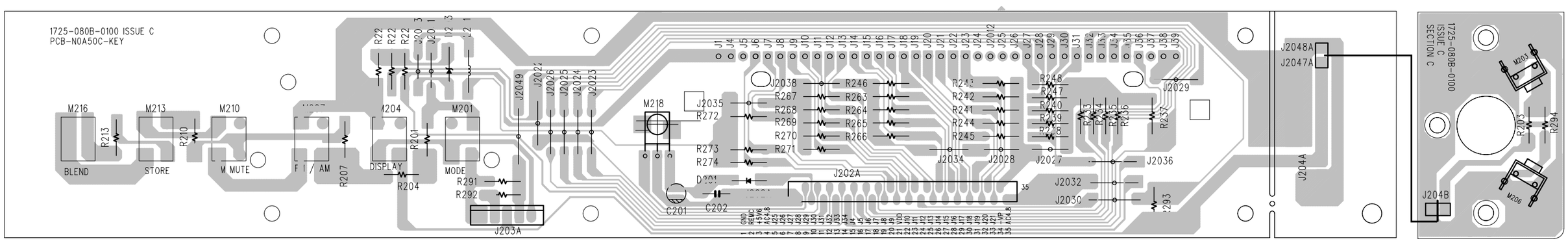
POWER SUPPLY BOARD



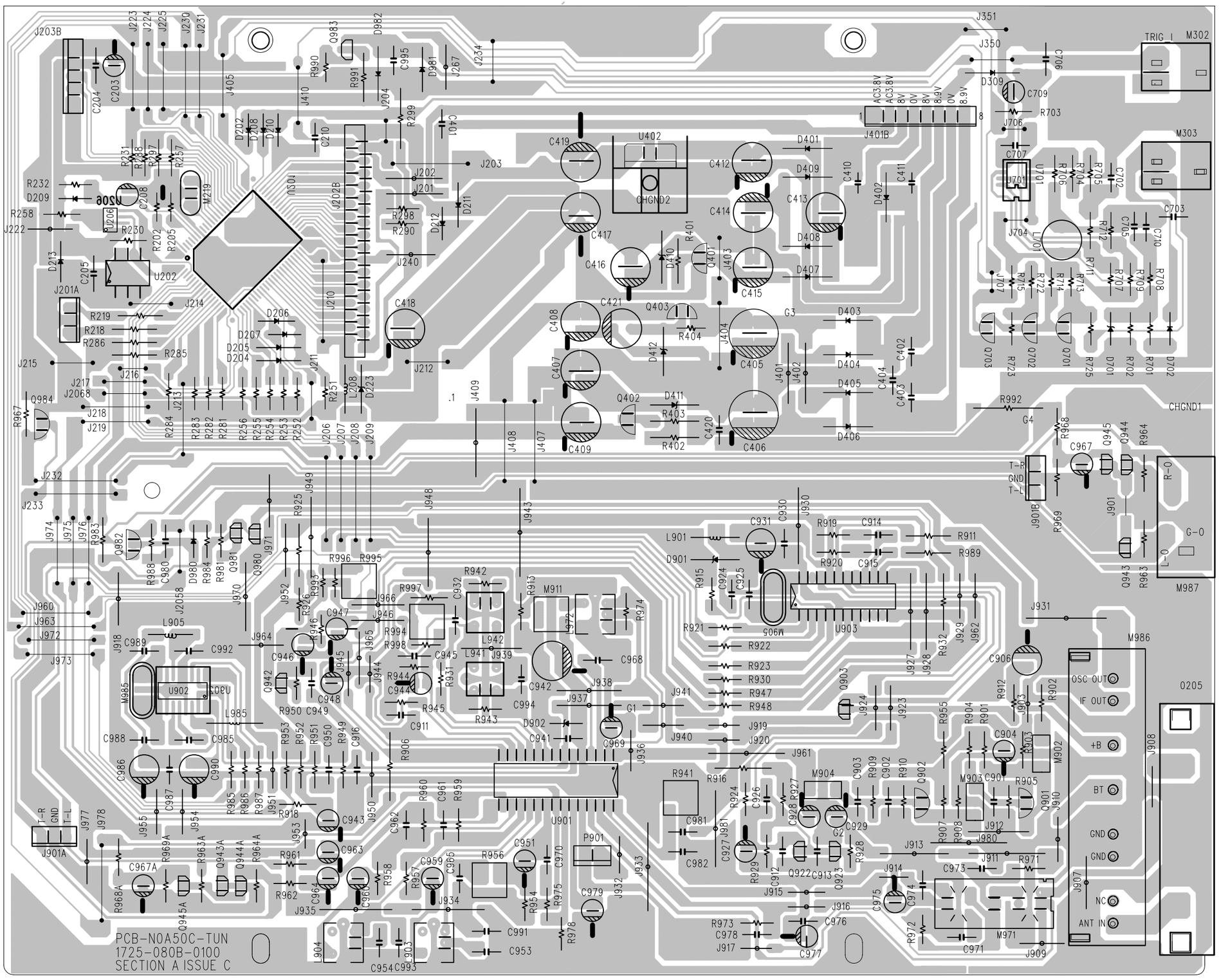
LED BOARD



KEY BOARD

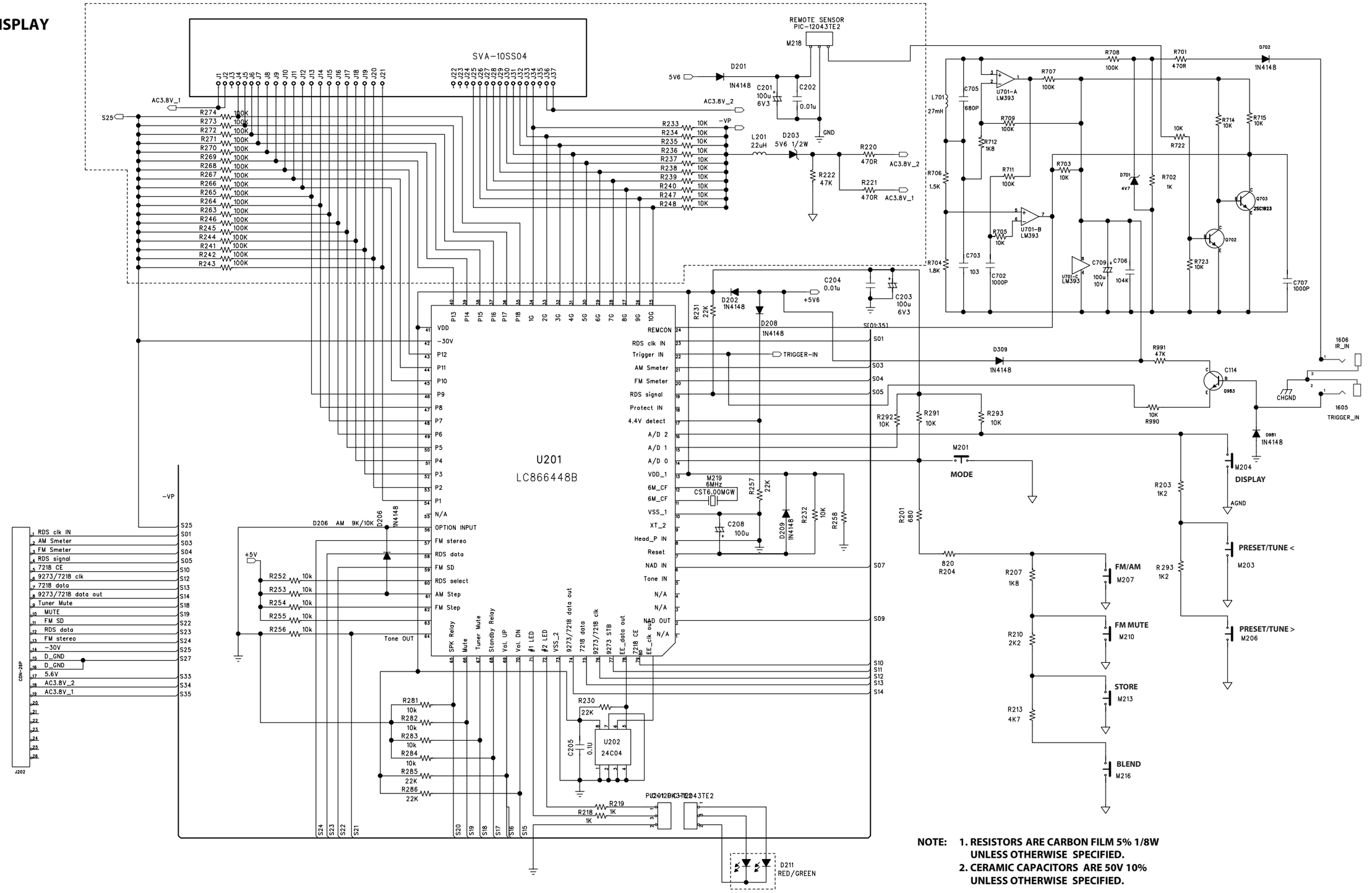


MAIN BOARD



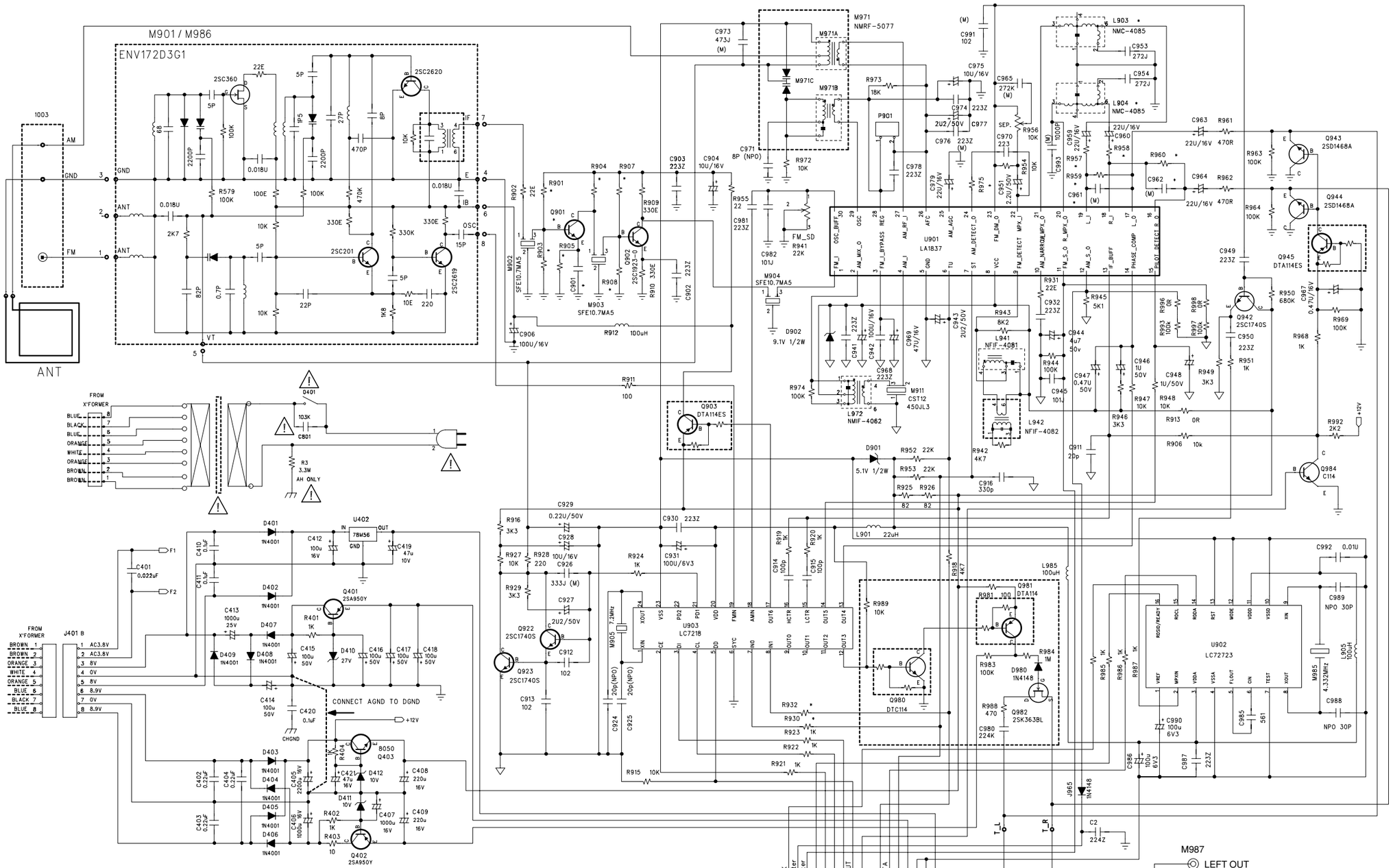
SCHEMATIC DIAGRAM

KEYBOARD / DISPLAY



NOTE:
1. **RESISTORS ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.**
2. **CERAMIC CAPACITORS ARE 50V 10% UNLESS OTHERWISE SPECIFIED.**

TUNER

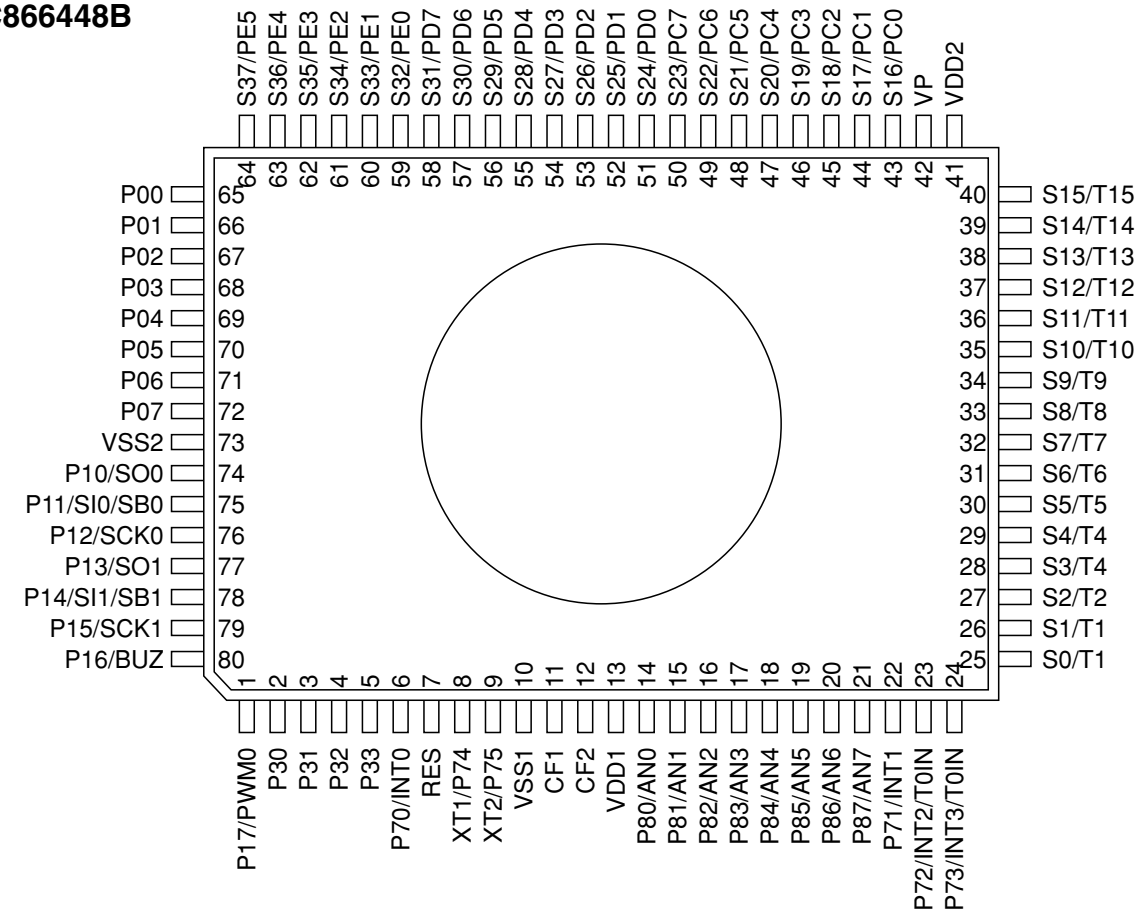


	R901	R904	R907	R903	R905	R908	R975	R959	R960	C901	C961	C962	Q901	R957	R958	M903
AH	3K3	–	–	1K	–	–	24K	62K	62K	–	272	272	–	4K3	4K3	—
C	33K	330	3K3	12K	680	470	56K	150K	150K	223	152	152	2SC945A-P	3K	3K	YES

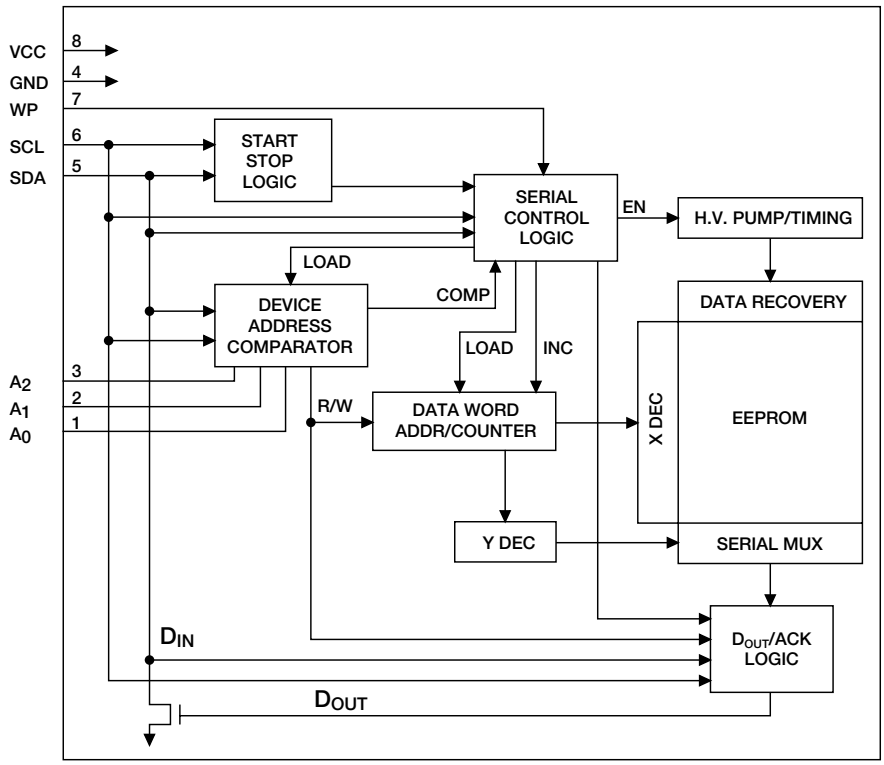
NOTE: 1. RESISTORS ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.
2. CERAMIC CAPACITORS ARE 50V 10% UNLESS OTHERWISE SPECIFIED.

IC BLOCK DIAGRAM

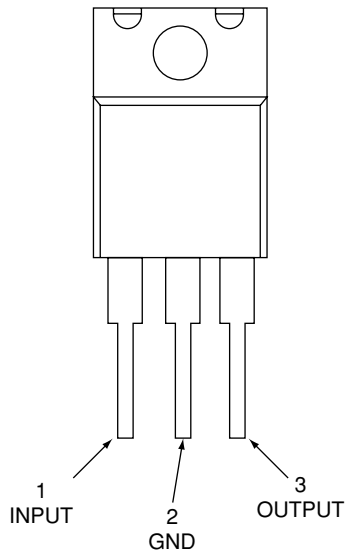
U201: LC866448B



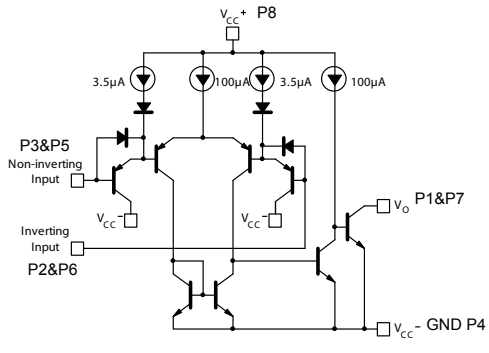
U202: 24C08



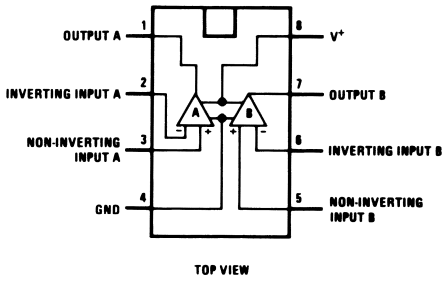
U402: NJM78M56FA



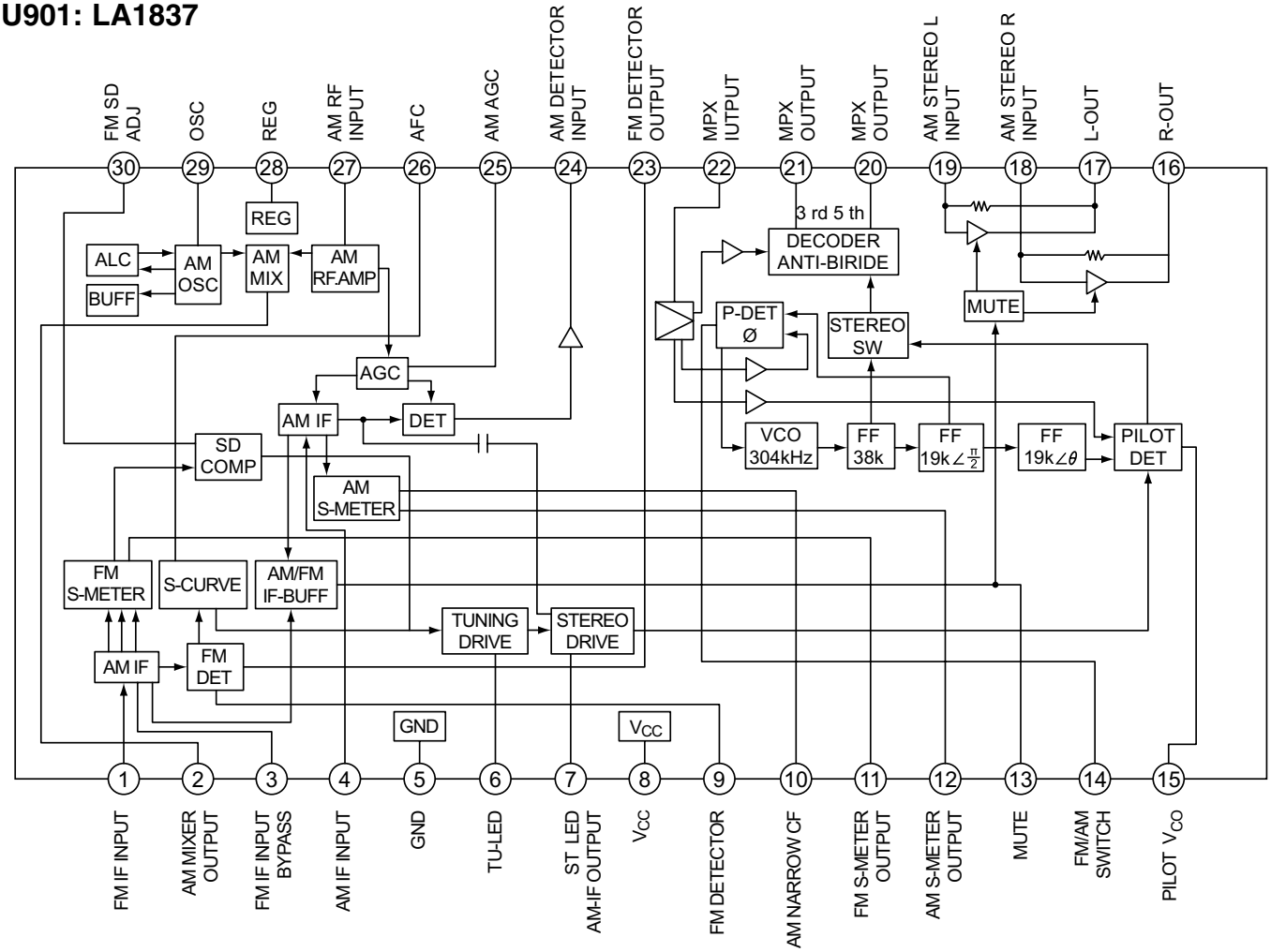
U701: LM393D



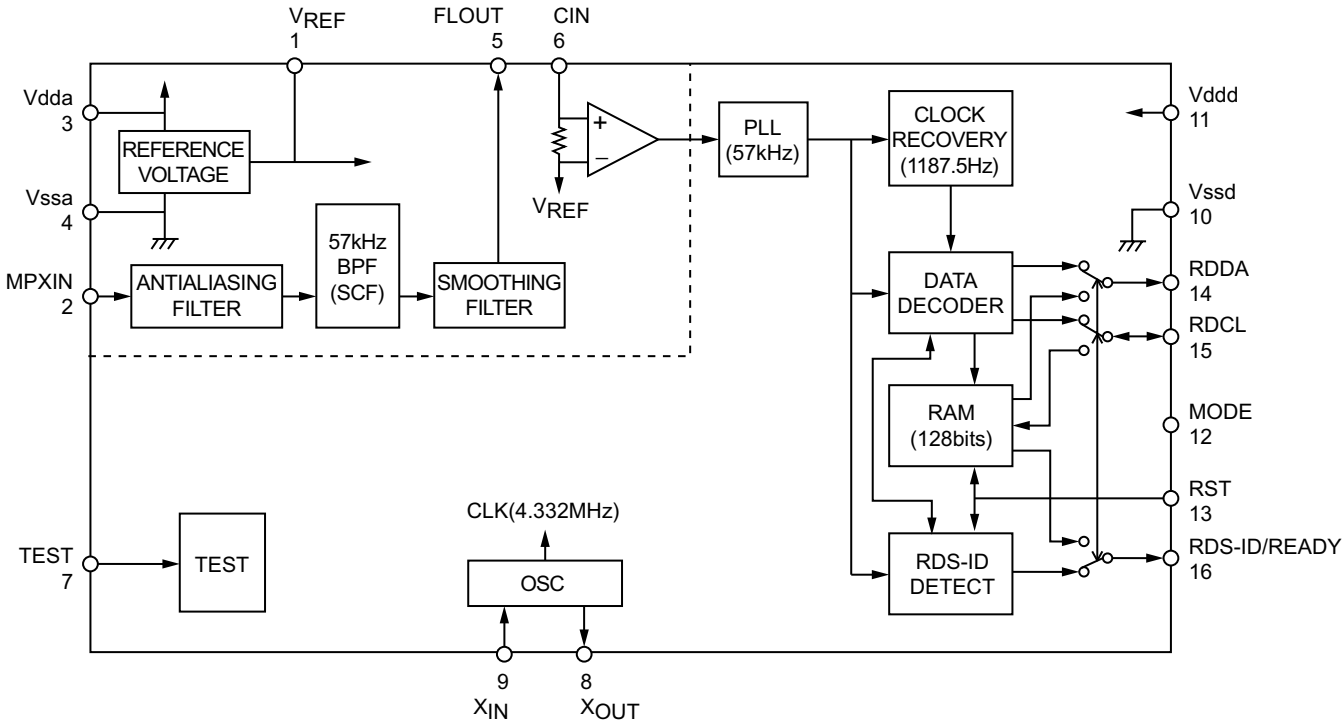
Dual-In-Line/SOICPackage



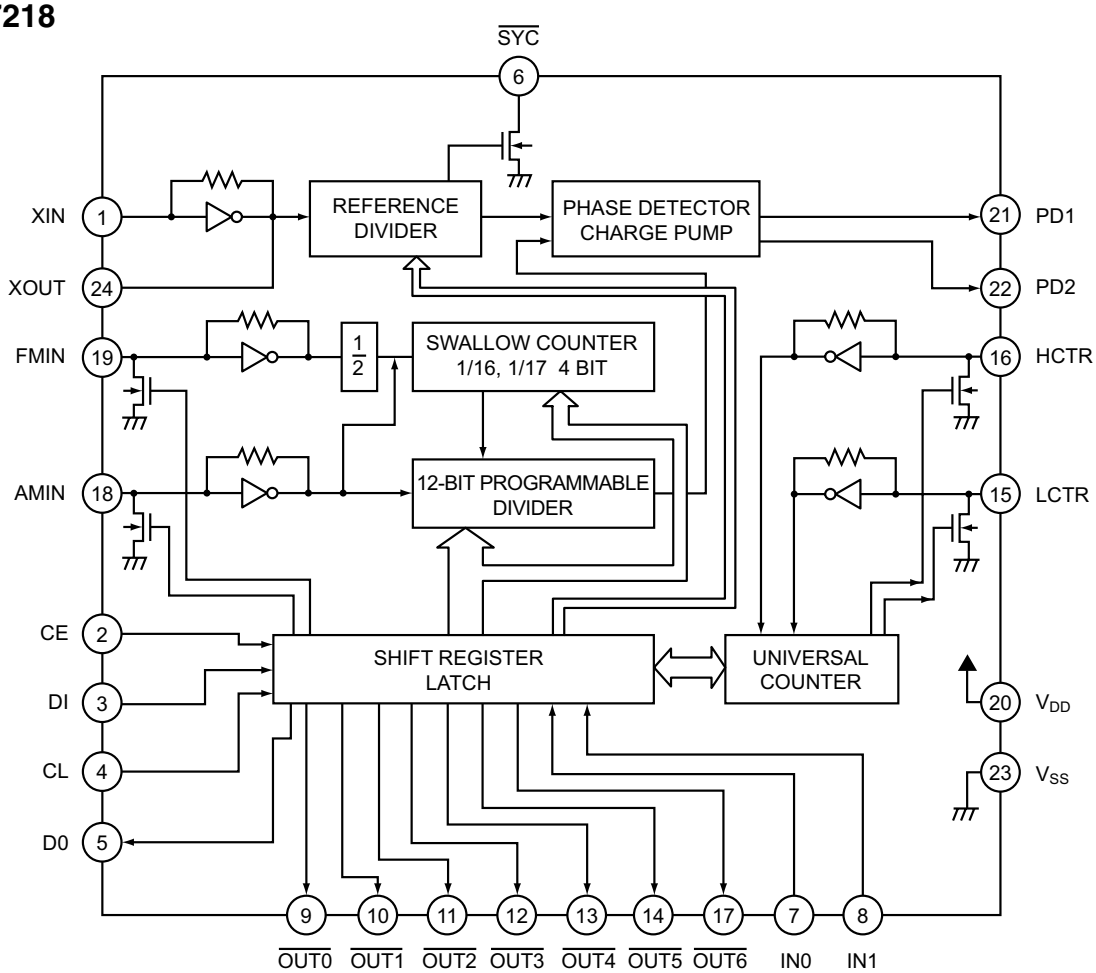
U901: LA1837



U902: LC72723M



U903: LC7218



ELECTRICAL PARTS LIST

Reference No.	Part No.	Description
KEY ASSY		
PC BOARD		
	PCB-N0A50C-KEY	PCB ASSY KEY N0A50C
CAPACITOR		
C201	157B-107M-5-KMK	CE 6.3V 100µF 20% RL
C202	153F-103J-5-KM	CM 50V 0.01µF 5% RL
COIL		
L201	1801-220K-M	COIL 22µH 10% AL BL7
WAFER/CONNECTOR		
J202A	2101-1581-0	FLEXIBLE CONN. 35P
J204B	2102-021R-004	WAFER 2P P2.5 RIGHT
RESISTOR		
R201	4701-681J-2	RCF 1/8W 680R 5% AT
R203,R204,R294	4701-122J-2	RCF 1/8W 1.2K 5% AT
R207	4701-182J-2	RCF 1/8W 1.8K 5% AT
R210	4701-222J-2	RCF 1/8W 2.2K 5% AT
R213	4701-472J-2	RCF 1/8W 4.7K 5% AT
R220,R221	4701-471J-2	RCF 1/8W 470R 5% AT
R222	4701-473J-2	RCF 1/8W 47K 5% AT
R233-R240,R247,R248,R291-R293	4701-103J-2	RCF 1/8W 10K 5% AT
R241-R246,R263-R272	4701-104J-2	RCF 1/8W 100K 5% AT
DIODE		
D201	4804-1480-C	DIODE 1N4148 ATS
D203	4837-5B61-2	DZ 1/2W 5.45-5.73 ROHM
SWITCH		
M201,M204,M207,M210,M213,M216	5200-3538-0	SWITCH, TACT SKHHBY 7MM
M203,M206	5200-4721-0	TACT SWITCH (RIGHT
WIRE		
J203A	7705-1150-2004	5P CONN WIRE ASSY L=150
J204A	7702-1075-2004	CONN.ASSY 2P P2.5 L=75
PC BOARD		
0300	1725-080B-0100	PCB MAIN/KEY/VFD N0A50C
MISCELLANEOUS		
0302	4154-2101-0	VFD HOLDER
0303	2460-1960-0	VFD, SAMSUNG,HNA-10SM12

Reference No.	Part No.	Description
M218	4814-3TE2-3	IR SENSOR PIC-12043TE2
LED ASSY		
PC BOARD		
	PCB-N0A50C-LED	PCB ASSY LED N0A50C
LED		
D211	3700-3517-RG	LED RED/GREEN (L-469HGW)
WIRE		
J201B	7703-1320-2004	3P CONN WIRE ASSY L=320
PC BOARD		
	1725-080B-0100	PCB MAIN/KEY/VFD N0A50C
PSU ASSY		
PC BOARD		
*AH	PCB-N0A50C-PSU	PCB ASSY PSU N0A50C
*CE	PCB-N0A51C-PSU	PCB ASSY PSU N0A51C
CAPACITOR		
C801 ⚠	8910-0049-0	CAP400V 4700P
RESISTOR		
R801 *AH	4717-335J-2-S	RMF 1/2W 3.3M 5% AT UL
SWITCH		
0401 ⚠	5200-3151-0-01	POWER SWITCH
PC BOARD		
0400	1725-080B-0100	PCB MAIN/KEY/VFD N0A50C
MISCELLANEOUS		
M801,M803-M806	4132-1071-0	TERMINAL PIN
TUN ASSY		
PC BOARD		
*AH	PCB-N0A50C-TUN	PCB ASSY TUN N0A50C
*CE	PCB-N0A51C-TUN	PCB ASSY TUN N0A51C
CAPACITOR		
C203	157B-107M-5-KMK	CE 6.3V 100µF 20% RL 6x7
C204,C210	153F-103J-5-IM	CM 50V 0.01µF 5% RL 5X7
C205	150F-104Z-5-IU	CC 50V 0.1µF +80/-20% RL 5x11
C208	157D-476M-5-IUK	CE 16V 47µF 20% RL 5X11

Reference No.	Part No.	Description
C401,C402,C403,C404	153F-224J-5-MIB	CM 50V 0.22µF 5% RL 7x5
C405	157D-228M-5-X9E	CE 16V 2200µF 20% RL 12.5x20
C406,C407	157D-108M-5-S9K	CE 16V 1000µF 20% RL 10x20
C408,C409	157D-227M-5-OMK	CE 16V 220µF 20% RL 8x7
C410,C411,C420,C706	150F-104K-5-II	CC 50V 0.1µF 10% RL 5x5
C412,C414,C906,C942	157D-107M-5-KUK	CE 16V 100µF 20% RL 6x11
C413,C421	157E-108M-5-S9E	CE 25V 1000µF 20% RL 10X20
C415	157F-107M-5-OW	CE 50V 100µF 20% RL 8x12
C416,C417,C418	157F-107M-5-OVK	CE 50V 100µF 20% RL 8x11.5
C419	157C-476M-5-IMK	CE 10V 47µF 20% RL 5X7
C702,C707	153F-102J-5-IM	CM 50V 1000PF 5% RL 5x7
C703	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C705	150F-681J-5-OI	CC 50V 680PF 5% RL 8X5
C709	157C-107M-5-IU	CE 10V 100µF 20% RL 5x11
C901 *CE	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C902,C903,C930,C932,C941,C949, C950,C968,C970,C974,C976,C978, C981,C987	150F-223K-2-FD	CC 50V 0.022µF 10% AT
C904,C928,C975	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C911	150F-200J-2-FC	CC 50V 20pF 5% AT 3.5x2
C912,C913	150F-102K-2-FC	CC 50V 1000pF 10% AT 3.5x2
C914,C915,C945,C982	150F-101K-2-FC	CC 50V 100pF 10% AT 3.5x2
C916	150F-331K-2-FC	CC 50V 330pF 10% AT 3.5x2
C924	15CH-270J-5-GG	CTC 0/60 27pF 5% RL 4x4
C925	15CH-200J-5-GG	CTC 0/60 20pF 5% RL 4x4
C926	153F-333J-5-NLM	CM 50V 0.033µF 5% RL 7.5
C927,C943,C977	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C929	157F-224M-5-GM	CE 50V 0.22µF 20% RL 4x7
C931,C986,C990	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C944	157F-475M-5-GM	CE 50V 4.7µF 20% RL 4x7
C946,C948	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7
C947	157F-474M-5-GM	CE 50V 0.47µF 20% RL 4x7
C951	157E-475M-5-GME	CE 25V 4.7µF 20% RL 4X7
C953,C954,C965	150D-272K-2-FC	CC 16V 2700pF 10% AT 3.5x2
C959,C960,C963,C964,C979	157D-226M-5-GM	CE 16V 22µF 20% RL 4X7
C961,C962 *CE	153F-152J-5-KW	CM 50V 1500pF 5% RL 6x12
C961,C962 *AH	153F-272J-5-JM	CM 50V 2700PF 5% RL 5.5x7
C967	157D-474M-5-II	CE 16V 0.47µF 20% RL 5x5
C969	157D-476M-5-IM	CE 16V 47µF 20% RL 5X7
C971	15CH-080D-5-GG	CTC 0/60 8pF 0.5pF RL 4x4
C973	153F-473J-5-NLM	CM 50V 0.047µF 5% RL 7.5x6.5
C980	153F-152J-5-KW	CM 50V 1500pF 5% RL 6x12
C985	150F-561K-2-FC	CC 50V 560pF 10% AT 3.5x2
C988,C989	15CH-300J-5-IG	CTC 0/60 30pF 5% RL 5x4
C991	15CG-102J-7-IJ	CTC 0/30 1000pF 5% RM 5x5.5
C992	150F-103K-2-FC	CC 50V 0.01µF 10% AT 3.5x2
R995	150F-224M-N-II	CC 50V 0.22µF 20% RLF MO

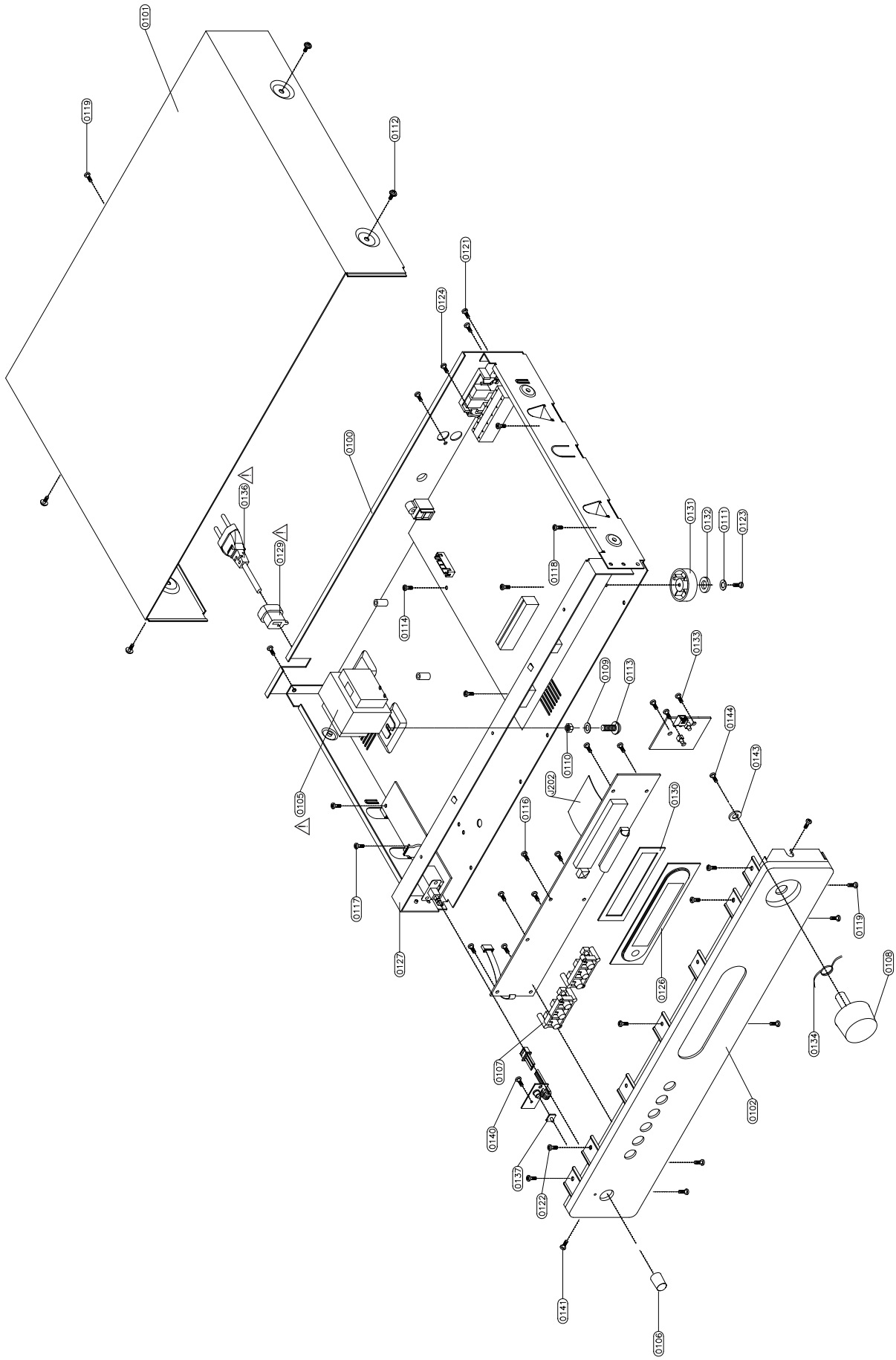
Reference No.	Part No.	Description
TUNER		
M901	1300-0726-0	TUNER ENV172D3G1
COIL		
L701	1807-273J-PS	COIL 27MH 5% 8.3X9.7
L901	1801-220K-M	COIL 22µH 10% AL BL7
L905,L985,R912	1801-101K-M	COIL 100µH 10%
WAFER/CONNCETOR		
0205 *AH	2107-0641-0	ANT-TERMINAL F-TYPE
0205 *CE	2107-0681-0	ANT-TERMINAL (DIN-TYPE)
J201A	2102-031S-004	3 PIN ST. WAFER
J202B	2101-1591-0	FLEXIBLE CONN. 35P P1.25
J203B	2102-051S-004	5P ST.WAFER
J401B	2102-081S-004	WAFER 8P P2.5 ST.
JACK		
0204	2113-1300-0	2P RCA JACK W/R AU
M302,M303	2113-1179-0	PHONE JACK D3.5 BK
P901	2113-1160-0	WAFER 2P ST. P=2.5 NH
CRYSTAL		
M905	2300-0440-0	CRYSTAL 7.2MHZ 20PPM
M985	2300-1220-0	CRYSTAL 4.332MHZ
CERAMIC FILTER		
M902,M904	2701-0010-1	CF10.7 +-30
M903 *CE	2701-0010-1	CF10.7 +-30
M911	2701-0680-0	CF 450 +-1
IC		
U201	3131-9750-1	IC LC866448B 8 BIT
U202	3131-7250-0	IC 24C08 8K EEPROM
U402	3130-8190-0	IC NJM78M56FA 5.6V
U701	3130-4990-0	IC LM393D DUAL VOLTAGE
U901	3130-8180-0	IC LA1837 AM/FM IF
U902	3131-9040-0	IC LC72723M RDS
U903	3131-3760-0	IC LC7218 PLL FREQ
RESISTOR		
R201,R205,R297,R918,R942,R992	4701-472J-2	RCF 1/8W 4.7K 5% AT
R218.R219,R401,R402,R404,R702, R903,R916,R919,R920,R923,R924, R951,R968,R985-R987	4701-102J-2	RCF 1/8W 1K 5% AT
R230,R231,R257,R267,R285,R286, R952,R953	4701-223J-2	RCF 1/8W 22K 5% AT

Reference No.	Part No.	Description
R232,R253-R256,R281-R284,R703, R705,R707,R714,R715,R722,R723, R906,R915,R927,R947,R948,R954, R972,R989,R991	4701-103J-2	RCF 1/8W 10K 5% AT
R403	4701-100J-2	RCF 1/8W 10R 5% AT
R701,R961,R962,R988	4701-471J-2	RCF 1/8W 470R 5% AT
R704,R712	4701-182J-2	RCF 1/8W 1.8K 5% AT
R706	4701-152J-2	RCF 1/8W 1.5K 5% AT
R708,R711,R944,R963,R964,R969, R974,R983,R993,R997	4701-104J-2	RCF 1/8W 100K 5% AT
R709,R943	4701-822J-2	RCF 1/8W 8.2K 5% AT
R901 *CE	4701-333J-2	RCF 1/8W 33K 5% AT
R902,R931,R955	4701-220J-2	RCF 1/8W 22R 5% AT
R903 *CE	4701-123J-2	RCF 1/8W 12K 5% AT
R905 *CE	4701-681J-2	RCF 1/8W 680R 5% AT
R907,R946,R949	4701-332J-2	RCF 1/8W 3.3K 5% AT
R909,R910	4701-331J-2	RCF 1/8W 330R 5% AT
R911,R981	4701-101J-2	RCF 1/8W 100R 5% AT
R921,R922,R929	4701-222J-2	RCF 1/8W 2.2K 5% AT
R925,R926	4701-820J-2	RCF 1/8W 82R 5% AT
R928	4701-221J-2	RCF 1/8W 220R 5% AT
R945	4701-512J-2	RCF 1/8W 5.1K 5% AT
R950	4701-684J-2	RCF 1/8W 680K 5% AT
R957,R958 *CE	4701-302J-2	RCF 1/8W 3K 5% AT
R957,R958 *AH	4701-432J-2	RCF 1/8W 4.3K 5% AT
R959,R960 *CE	4701-154J-2	RCF 1/8W 150K 5% AT
R959,R960 *AH	4701-623J-2	RCF 1/8W 62K 5% AT
R973	4701-183J-2	RCF 1/8W 18K 5% AT
R975 *AH	4701-243J-2	RCF 1/8W 24K 5% AT
R975 *CE	4701-563J-2	RCF 1/8W 56K 5% AT
R978,R984	4701-105J-2	RCF 1/8W 1M 5% AT
R990	4701-473J-2	RCF 1/8W 47K 5% AT
SVR		
R941	4756-2236-3-06	SVR 22K H3 7X7.6 RH0615C
R956	4756-1036-3-06	SVR 10K H3 7X7.6 RH0615C
DIODE		
D202,D206,D208,D209,D211,D213, D309,D980,D981,J965	4804-1480-C	DIODE 1N4148 ATS
D401-D409	4804-0010-2	DIODE 1N4001 AT
D410	4837-27V0-2	DZ 1/2W 27V(26.2-27.6)AT
D411,D412	4837-10D1-2	DZ 1/2W 9.94~10.44V ROHM
D701	4837-4B71-2	DZ 1/2W 4.55~4.80V ROHM
D901	4837-4C20-2	DZ 1/2W 5.0-5.2V AT
D902	4837-7C20-2	DZ 1/2W 9.1-9.5V AT
J213	4837-3V36-2	DZ 1/2W +-5% 3.3V TEMIC

Reference No.	Part No.	Description
TRANSISTOR		
Q401,Q402	485A-950Y-5	TR 2SA950-Y HFE 100-200
Q403	4860-0050-5	TR SS8050 C/D SAMSUNG RL
Q702,Q703,Q902	4851-9230-5	TR 2SC1923-0 HFE 70-140
Q901 *CE	485C-945P-5	TR 2SC945P HFE 200-400
Q903,Q945,Q981	485A-114E-5	TR DTA114ESA ROHM
Q922,Q923,Q942	4860-1590-5	TR 2SC1740S
Q943,Q944	4860-8120-G	TR 2SD1468S TPS ROHM
Q980,Q983,Q984	485C-114E-5	TR DTC114ES
Q982	4853-63BL-5	TR N-JEET 2SK-363BL
PC BOARD		
	1725-080B-0100	PCB MAIN/KEY/VFD N0A50C
MISCELLANEOUS		
L903,L904	5600-3386-S	COIL MPX LPF NMC-4085
L941	5600-3396-S	COIL FM DET-1 10.7MHZ
L942	5600-3406-S	COIL FM DET-2 10.7MHZ
L971	5600-3280-G	COIL MW RF BLOCK
L972	5600-3416-S	COIL AM IFT NMIF-4062
M219	2703-0200-0	CR 6MHZ CSTLA6M00G55-A0
R801A *AH	4132-1061-0	SOLDER TAG
TUNER	4131-7701-0	ANTENNA WASHER

NOTE:
- The components identified by ⚠ mark are critical for risk of fire and electrical shock. Replace only with part number specified.
- <*AH > : USA, Canadian model only.
- <*C > : European model only.
- Capacitors : CP-Polystyrene, CM-Mylar, CE-Electrolytic, CC-Ceramic, CTC-NPO.
- Resistors : RMF-Metal Film, RCF-Carbon Film.

EXPLODED VIEW



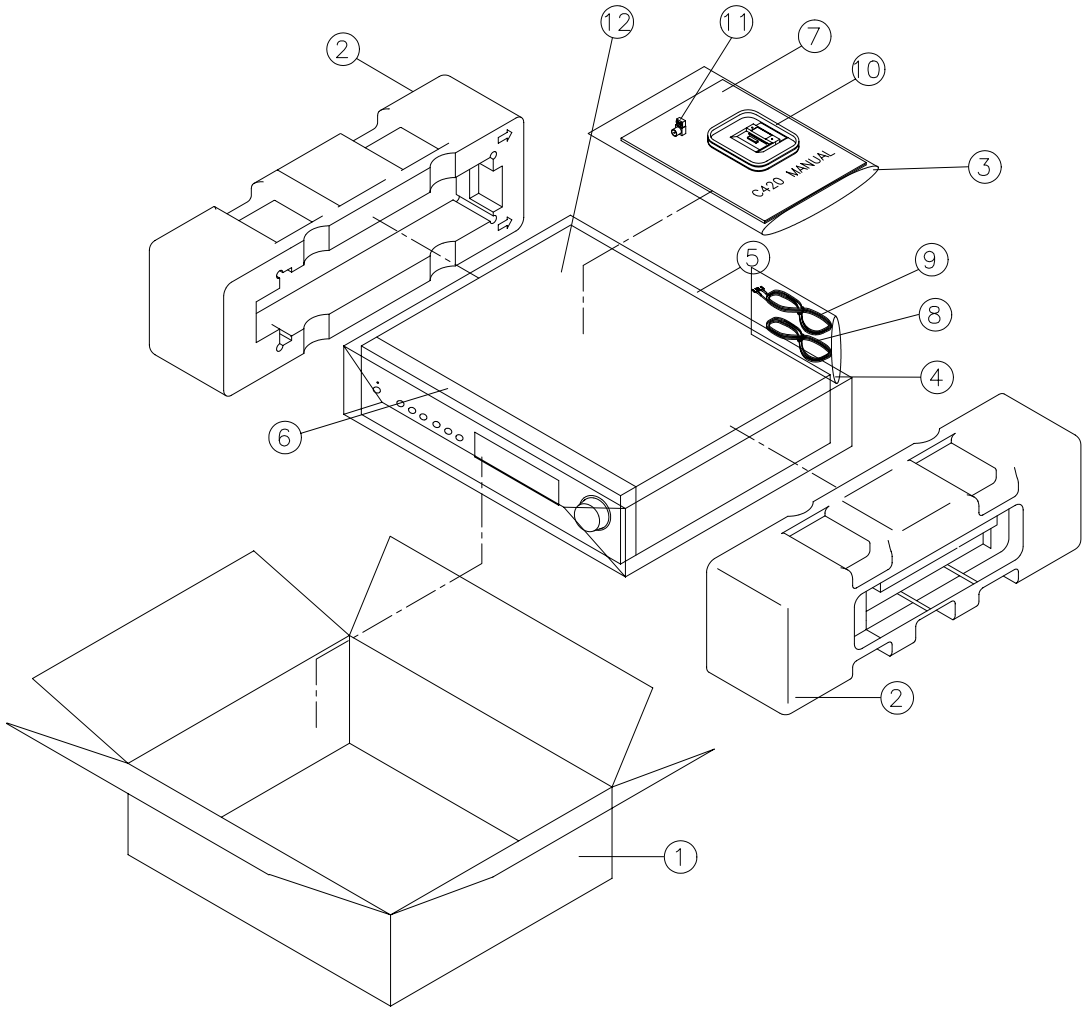
EXPLODED VIEW PARTS LIST

ITEM		Part No.	Description
0100	*AH GREY/*AH TI	1402-351A-1	CHASSIA C422 (AH)
0100	*CE GREY/*CE TI	1402-351B-1	CHASSIA C422 (C)
0101	*AH GREY/*CE GREY	1402-3531-0	TOP COVER BLACK (C542)
0101	*AH TI/*CE TI	1402-3532-0	TOP COVER SILVER (C542)
0102	*AH GREY/*CE GREY	1466-5201-1	FASCIA BLACK (C422)
0102	*AH TI/*CE TI	1466-5202-1	FASCIA SILVER (C422)
0105	⚠	1806-3541-0	X'FORMER 120/230V I/P
0106	*AH GREY/*CE GREY	2442-1002-0	POWER BUTTON BLACK
0106	*AH TI/*CE TI	2442-1003-0	POWER BUTTON SILVER
0107	*AH GREY/*CE GREY	2444-1203-0	BUTTON TRIO BLACK
0107	*AH TI/*CE TI	2444-1204-0	BUTTON TR10 TITANIUM
0108	*AH GREY/*CE GREY	2446-6201-1	TUNE/PRESET KNOB BLACK C422
0108	*AH TI/*CE TI	2446-6202-1	TUNE/PRESET KNOB SILVER C422
0109		2600-4008-0973	FLAT WASHER M4X0.8X9.7
0110		2640-4030-0703	M4 NUT (BLK)
0111		2842-3367-0	METAL WASHER
0112	*AH TI/*CE TI	2900-4006-2010	SCM PW M4X6 RECESS WHITE
0112	*AH GREY/*CE GREY	2900-4006-3010	M4X0.5PX6MM W/FLAT
0113		2900-4010-3030	PH W/WASHER M4X10 BL ZN
0114		2904-3006-0000	SCREW M3X6
0116		2954-3008-0000	TAPPING 3X8MM B-TITE
0117		2954-3006-0000	3X6MM B-TITE (YEL.ZN)
0118		2954-3008-0000	TAPPING 3X8MM B-TITE
0119		2954-3008-3000	T3X8MM SELF TAPPING
0120	*AH GREY/*CE GREY	2954-3008-3000	T3X8MM SELF TAPPING
0120	*AH TI/*CE TI	2954-3010-4000	ST SCREW 3X10 BH
0121		2954-3008-3000	T3X8MM SELF TAPPING
0122		2954-3008-0000	TAPPING 3X8MM B-TITE
0123		2954-3008-3000	T3X8MM SELF TAPPING
0124		2954-3008-3000	T3X8MM SELF TAPPING
0125		2600-4008-0973	FLAT WASHER M4X0.8X9.7
0126		3716-4314-0	WINDOW LENS C420 W/SS
0127		1402-3783-2	STRAP (C542)
0128		4151-9411-0	CUSHION 130X10X1MM
0129	⚠	4152-3851-0	SQ. STRAIN RELIEF
0131		4157-0501-1	RUBBER FOOT
0132		4152-4641-1	CUSHION FOOT W/RUBBER WA
0133		2954-3008-0000	TAPPING 3X8MM B-TITE
0134		4134-9281-1	TUNE/PRESET KNOB SPRING

ITEM	Part No.	Description
0136 ⚠ *AH GREY/*AH TI	7009-3100-2	AC CORD 18AWGX2
0136 ⚠ *CE GREY/*CE TI	7009-3110-0	AC CORD (SEMKO)
0137	3714-5706-0	LED LENS (412) CLEAR SAN
0140	2954-3008-0000	TAPPING 3X8MM B-TITE
0141	2954-3008-0000	TAPPING 3X8MM B-TITE
0143	2600-3005-0803	METAL WASHER M3X0.5X8MM
0144	2954-3008-0000	TAPPING 3X8MM B-TITE
0146	2954-2006-0000	TAPPING SCREW 2X6
J202C	7012-5260-0	FLEXIBLE CABLE 35P L=150

NOTE:
- The components identified by ⚠ mark are critical for risk of fire and electrical shock. Replace only with part number specified.
- <*AH > : USA, Canadian model only.
- <*C > : European model only.

PACKING DIAGRAM



ITEM	PART NO.	DESCRIPTION	Q'TY
1	1408-0203-0	CARTON BOX C422	1
2	1490-3783-2	POLYFORM ENDCAP	2
3	1497-1062-0	POLYBAG MANUAL	1
4	1497-1302-0	POLYBAG	1
5	1497-1332-1	POLYBAG	1
6	1497-1432-0	EPE BAG (412)	1
7	4301-7074-1	INSTRUCTION MANUAL	1
8	2103-7302-1	RCA PLUG (MALE)	1
9	2107-0661-1	300-OHM T ANTENNA	1
10	2113-1155-0	AM LOOP ANTENNA	1
11	2103-6101-0	RF CONNECTION PLUG (F-TYPE)	1
12	1450-2520-0	WHITE PAPER	1

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SERVICE MANUAL

C 422

STEREO
AM/FM TUNER

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